

MATERIAL SAFETY DATA SHEET**SECTION I**

MANUFACTURER'S NAME	Parks Corporation	CHEMICAL NAME & SYNONYMS	Mixture
STREET ADDRESS	One West Street	CHEMICAL FAMILY	Nitrocellulose Lacquer
CITY, STATE & ZIP	Fall River, MA 02720	TRADE NAME	PARKS CLEAR LACQUER SATIN
EMERGENCY TELEPHONE	(508) 679-5938	SIZES/CODES	5 Gallon #0642 Gallon #0643 Quart #0644
		FORMULAS	N.A.
		REVISED	03/10/95

SECTION II – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% WT	TLV TWA	PEL TWA	TLV STEL	PEL STEL	PEL CEIL
Isopropanol (Isopropyl Alcohol)	67-63-0	20.2	400	400	500	500	
*Methyl Isobutyl Ketone (MIBK) (4-Methyl 2-Pentanone)	108-10-1	14.6	50	100	75		
*Toluene (Toluol) (Methyl Benzene)	108-88-3	13.7	50	200		500	300
*Methyl Ethyl Ketone (MEK) (2-Butanone)	78-93-3	10.0	200	200	300	300	
Aliphatic Solvent	-----	9.9	N.A.	N.A.			
Dilisononyl Phthalate	68515-48-0	6.0	5.0 mg/m ³	N.A.			
Nitrocellulose (Gun Cotton)	9004-70-0	6.0	N.A.	N.A.			
Modified Glycerol Rosin Ester	68038-41-5	5.4	10 mg/m ³	N.A.			
Isobutyl Isobutyrate (IBIB)	97-85-8	5.2	N.A.	N.A.			
*Xylene, Mixed Isomers	1330-20-7	2.6	100	100	150	150	

*SARA LISTED CHEMICAL. TITLE III, SECTION 313.

SECTION III – PHYSICAL DATA

BOILING POINT (°F)	173 - 298°F	SPECIFIC GRAVITY (H₂O=1)	.87
VAPOR PRESSURE @ 20°C	33.5 mmHg	PERCENT VOLATILE	83.20%
VAPOR DENSITY (AIR=1)	Heavier than air	BY VOLUME (%)	
SOLUBILITY IN WATER	Negligible	EVAPORATION RATE	Slower than Ether
APPEARANCE	Lt. Amber, Opaque	(ETHER=1)	
ODOR	Lacquer Type Odor	V.O.C.	670 g/l
ODOR THRESHOLD (PPM)	0.6800		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA**HMIS RATING****HEALTH: 2; FLAMMABILITY: 3; REACTIVITY: 0; PERSONAL PROTECTION: H****FLASH POINT (METHOD USED):** (TCC) 20°F (-6°C)**FLAMMABLE LIMITS****LEL:** .96%**FLAMMABILITY CLASS (OSHA):** Flammable liquid – 1B. This is the OSHA classification. DOT may be different.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA (CONT'D)

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective in fighting fire. If water is used to cool closed containers to prevent pressure buildup, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus, is needed to protect fire fighters from exposure to coatings' hazardous ingredients and hazardous decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: During emergency conditions, overexposure to decomposition products (See Section VI) may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SECTION V – HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Causes eye burns. Harmful if swallowed. May cause nose and throat irritation. Causes skin irritation. May cause lung injury. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if inhaled.

Other effects of overexposure may include dizziness, narcosis, pneumoconiosis, drying of nasal mucosa, anesthesia, fatigue, vomiting, weakness, asphyxia, drowsiness, gastritis, shortness of breath, unconsciousness, inflammation of the mucous membranes of the nose and throat, reduced visibility, deposits in eyes, dermatitis, diarrhea, dehydration to skin, loss of coordination, irregular heartbeat, lacrimation, edema, pneumonia.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin contact, ingestion, eyes.

MEDICAL CONDITIONS THAT CAN BE AGGRAVATED: Pulmonary conditions, skin disorders.

CHRONIC HEALTH HAZARDS: Repeated overexposure to this product may cause central nervous system damage, liver abnormalities, lung damage, spleen damage, cardiac abnormalities, birth defects.

In accordance with 29CFR1910.1200, this product contains no ingredients listed by NTP, IARC or OSHA as carcinogenic.

NOTICE: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, given oxygen. Get medical attention.

EYES: Flush with water for at least 15 minutes and get medical attention.

SKIN: Flush with water for at least 15 minutes and get medical attention. Remove contaminated clothing and wash before reuse. Remove and destroy contaminated shoes.

INGESTION: Get medical attention immediately.

SECTION VI – REACTIVITY DATA

STABILITY: Stable under nonemergency conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Alkali, acids, oxidizers, amines, oxygen, chlorinated solvents, aldehydes, halogenated solvents, liquid chlorine, sodium hypochlorite, calcium hypochlorite, alkanolamines, ammonia, reducing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, oxides of nitrogen. Hydrogen cyanide, toxic fumes, fumes, various hydrocarbons, aldehydes, acids, peroxides.

CONDITIONS TO AVOID: Heat, open flame, sparks, light, dusty conditions.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Wear appropriate safety equipment as listed in Section VIII. Absorb on inert material and dispose of as below.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations. Incineration is the preferred method of disposal.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapor/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use.

VENTILATION: Sufficient ventilation must be provided to maintain airborne concentrations below TLV, PEL and LEL limits as listed in Section II.

PROTECTIVE GLOVES: Chemical resistant, protective gloves should be worn when handling this product. Check with glove manufacturer to determine proper glove type.

EYE PROTECTION: Face shield should be worn.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower should be provided. Rubber apron should be worn.

HYGIENIC PRACTICES: Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

SECTION IX – STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS: All equipment should be grounded. Keep containers closed when not in use. Store in a clean, dry area. Store away from ignition sources. Store in well-ventilated area. Avoid exposure to light. Avoid strong oxidizing agents.

OTHER PRECAUTIONS: All precautions must be observed. Empty container may retain product residues.

OTHER REGULATORY INFORMATION: The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65) develops a list of chemicals that require specific warnings relating to cancer and/or reproductive toxicity. This product contains the following chemicals subject to the reporting requirements of the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65).

<u>CHEMICAL</u>	<u>CAS #</u>	<u>QUANTITY</u>
Toluene	108-88-3	13.7% by weight

The warning on the product states:

WARNING: USE OF THIS PRODUCT WILL EXPOSE YOU TO TOLUENE WHICH IS KNOWN TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

*Not included in Section II as this chemical is less than .1% of the formula.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

THE INFORMATION IN THIS DOCUMENT IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT OR THE HAZARDS RELATED TO ITS USE. THIS INFORMATION AND PRODUCT ARE FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING THEM SHALL MAKE HIS OWN DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR HIS PARTICULAR PURPOSE AND ON THE CONDITION THAT HE ASSUME THE RISK OF HIS USE THEREOF.